

10/664,223

COFC

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Clancy, Bybee, Friedrich
Issue No.: 6981672 B2
Issue Date: January 3, 2006
For: FIXED CANARD 2-D GUIDANCE OF ARTILLERY
PROJECTILES
Group Art Unit: 3662

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No.: A39.2B-10912-US01

**REQUEST FOR CERTIFICATE OF CORRECTION
OF PATENT FOR PTO MISTAKE (37 CFR 1.322(a))**

1. Attached in duplicate is Form PTO-1050 with at least one copy being suitable for printing.

NOTE: Form PTO-1050, using the column and line number in the printed patent should be used exclusively regardless of the length or complexity of the subject matter. MPEP §1485.

NOTE: The patent grant should be retained by the patentee. The PTO does not attach the certificate of correction to the patentee's copy of the patent. The patent grant will be returned to the patentee if submitted. MPEP §1485.

2. The exact page and line number where the errors occur in the application file are:

THE ERROR IS NOT OCCUR IN THE APPLICATION. PLEASE REFER TO THE DOCUMENTATION SHOWING THE CORRECT NAME OF THE ASSIGNEE AT THE TIME APPLICANT PAID THE ISSUE FEE FOR THE ABOVE PATENT. THE CORRECT NAME SHOULD BE INDICATED AS :

ALLIANT TECHSYSTEMS INC.

NOTE: The information should be identified in this request, however on Form PTO-1050, only the column and the line number in the printed patent should be used. MPEP §1485.

Certificate
JAN 9 2006
of Correction

3. Please send the Certificate to:

Richard A. Arrett
VIDAS, ARRETT & STEINKRAUS
Suite 2000
6109 Blue Circle Drive
Minnetonka, MN 55343-9185

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: January 11, 2006

By: 

Richard A. Arrett
Registration No.: 33153

6109 Blue Circle Drive, Suite 2000
Minnetonka, MN 55343-9185
Telephone: (952) 563-3000
Facsimile: (952) 563-3001

f:\wpwork\raa\10912us01_cer_20060110.doc

Type Name of Assignee: Allaint Techsystems Inc.

Assignment Recorded on Sept. 17, 2003
at Reel 014519, Frame 0121.

**Recordal of Assignment attached along with copy of documentation showing
filing of Issue Fee and indication of Assignee on PTOL-85 Form, Box 3.**

NOTE: "A certificate of correction, under 35 U.S.C. 254, may be issued at the request of the patentee or his assignee". 37 CFR 1.322(a). The certificate of correction can be signed by the attorney of record who acts on behalf of the inventor(s) or assignee(s).

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6981672 *B2*
DATED : January 3, 2006
INVENTORS : Clancy, Bybee, Friedrich

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First page of issued patent, line (73)

Delete "Aleiant" and insert – Alliant --

MAILING ADDRESS OF SENDER:
Richard A. Arrett
Vidas, Arrett & Steinkraus
6109 Blue Circle Drive, Minnetonka, MN 55343-9185

PATENT NO. 6981672
No. of additional copies



**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6981672 *B2*

DATED : January 3, 2006

INVENTORS : Clancy, Bybee, Friedrich

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First page of issued patent, line (73)

Delete "Aleiant" and insert – Alliant --

MAILING ADDRESS OF SENDER:

Richard A. Arrett
Vidas, Arrett & Steinkraus
6109 Blue Circle Drive, Minnetonka, MN 55343-9185

PATENT NO. 6981672
No. of additional copies

⇒



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Clancy, Bybee, Friedrich
Application No.:	10/664223 Pat No 6981672
Filed:	September 17, 2003 Issued 1/3/06
For:	FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES
Group Art Unit:	3662

Mail Stop _____
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No.: A39.2B-10912-US01

TRANSMITTAL LETTER

1. In regard to the above-identified application, in addition to this 1 page cover sheet, we are enclosing a 2 pg Request for Certificate of Correction – PTO Mistake; duplicate pages of Certificate, copy of recorded Assignment, copy of documents showing payment of issue fee, post card.
2. With respect to fees:
 - ☒ No additional fee is required.
 - ☐ Attached is check(s) in the amount of \$
 - ☐ Charge additional fee to our Deposit Account No. 22-0350.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**

This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350.

Please charge any additional fees or credit overpayment associated with this communication to the Deposit Account No. 22-0350.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: January 11 2006

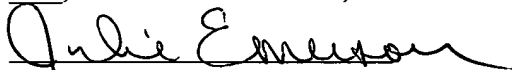
By: _____

Richard A. Arrett
Registration No.: 33153

6109 Blue Circle Drive, Suite 2000
Minnetonka, MN 55343-9185
Telephone: (952) 563-3000
Facsimile: (952) 563-3001

f:\wpwork\raa\10912us01_tra_20060110.doc

Certificate Under 37 CFR 1.8: I hereby certify that this Transmittal Letter and the paper(s) as described herein, are being deposited in the U.S. Postal Service, as FIRST CLASS MAIL, addressed to Mail Stop _____, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450, on January 11, 2006.

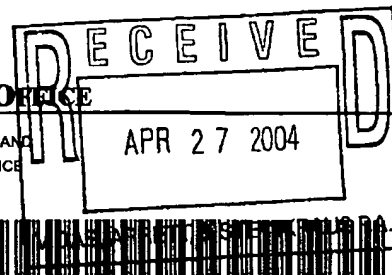

Julie Emerson



162 201456

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



102559672A

COPY

APRIL 21, 2004

PTAS

VIDAS ARRETT & STEINKRAUS, P.A.
RICHARD A. ARRETT
6109 CIRCLE DRIVE
SUITE 2000
MINNETONKA, MN 55343-9185

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/17/2003

REEL/FRAME: 014519/0121
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CLANCY, JOHN A.

DOC DATE: 09/03/2003

ASSIGNOR:

BYBEE, THOMAS D.

DOC DATE: 09/03/2003

ASSIGNOR:

FRIEDRICH, WILLIAM A.

DOC DATE: 09/04/2003

ASSIGNEE:

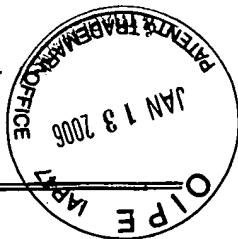
ALLIANT TECHSYSTEMS INC.
5050 LINCOLN DRIVE
EDINA, MINNESOTA 55436

SERIAL NUMBER: 10664223
PATENT NUMBER:

FILING DATE: 09/17/2003
ISSUE DATE:

014519/0121 PAGE 2

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



09-26-2003

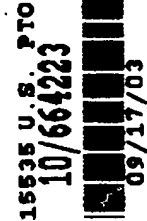
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeForm PTO-1595
1-31-92

9/17/03



IEET

102559872



To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John A. Clancy; Thomas D. Bybee; William A. Friedrich

Additional name(s) of conveying party(ies)
attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Alliant Techsystems Inc.

Internal Address:

Street Address: 5050 Lincoln Drive,
Edina, Minnesota 55436

City: State: Zip:

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 9-3-03; 9-4-03

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s)

10 664223

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document should be
mailed:Richard A. Arrett
Vidas, Arrett & Steinkraus, P.A.
Suite 2000, 6109 Blue Circle Drive
Minnetonka, MN 55343-9185

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40⁰⁰

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number: 22-0350

(Attach duplicate of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard A. Arrett

Signature

Date

9/17/03

09/23/2003 WASFAW1 00000011 10664223

09-013021

40.00 DP

Total number of pages including cover sheet, attachments, and document:

OMB No. 0651-011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark OfficeP.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, I(we), John A. Clancy; Thomas D. Bybee; William A. Friedrich
residing at 9936 Lawson Lane, Eden Prairie, Minnesota 55347; 5031 142 Lane N.W., Ramsey, Minnesota
55303; 5518 Lakeland Road, Minnetonka, Minnesota 55345 have invented and own the entire United States
right, title and interest in an invention for:

FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES

disclosed in my (our) application for United States Letter Patent filed:

- ☒ concurrently herewith
☐ on _____ and assigned Serial No. _____; and

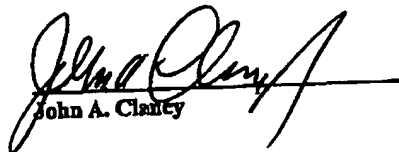
I (we) hereby authorize and request any attorney of Vidas, Arrett & Steinkraus, P.A., Suite
2000, 6109 Blue Circle Drive, Minnetonka, MN 55343-9185, to insert the filing date and application number of
said application above when known.

WHEREAS, Alliant Techsystems Inc. ("Assignee"), a corporation organized and existing
under and by virtue of the laws of the State of Delaware, and having its principal place of business at 5050
Lincoln Drive, Edina, Minnesota 55436, is desirous of acquiring the entire right, title, and interest in and to
said invention, to said application for any and all countries, to any and all Letters Patent, and to any and all
Design Letters Patent of any and all countries which may be granted thereon;

NOW, THEREFORE, Be It Known that for good and valuable consideration, the receipt of all
of which is hereby acknowledged, I(we) hereby sell, assign, and transfer unto Assignee, its successors, and
assigns, the entire right, title and interest, legal and equitable, in and to said invention, to said application for any
and all countries, to any and all Letters Patent, and to any and all Design Letters Patent of any and all countries
which may be granted thereon; and the Commissioner of Patents and Trademarks is hereby authorized and
requested to issue all Letters Patent and all Design Letters Patent which may be granted to said invention to
Assignee.

Dated: 9/3/2003

First Inventor's Signature:
First Inventor's Name:


John A. Clancy

Dated: 9-3-2003

Second Inventor's Signature:
Second Inventor's Name:


Thomas D. Bybee

Dated: 9-4-2003

Third Inventor's Signature:
Third Inventor's Name:


William A. Friedrich

BEST AVAILABLE COPY

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	John Clancy et al
Title:	FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES
Filed:	<input type="checkbox"/> concurrently herewith <input type="checkbox"/> on _____ and assigned Serial No. _____

Docket No.: A39.2-10912

ASSIGNEE'S STATEMENT OF OWNERSHIP 37 CFR 3.73(B)

Alliant Techsystems Inc., a Minnesota corporation, is the assignee of the entire right, title and interest in the patent application identified above by virtue of:

A. ☒ An assignment from the inventor(s) of the patent application identified above. A photocopy of the Assignment is enclosed. The original Assignment is being mailed to Assignment Branch for recording.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From : _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From : _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement of ownership certificate on behalf of the assignee.

VIDAS, ARRETT & STEINKRAUS

Date:

9/17/03

By:



Richard A. Arrett
Registration No. 33153

6109 Blue Circle Drive, Suite 2000
Minnetonka, MN 55343-9185
Telephone: (952) 563-3000
Facsimile: (952) 563-3001

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COPY

UTILITY/DESIGN PATENT
Docket No. A39-1091

COPY

ASSIGNMENT

WHEREAS, I(we), John A. Clancy; Thomas D. Bybee; William A. Friedrich
residing at 9936 Lawson Lane, Eden Prairie, Minnesota 55347; 5031 142 Lane N.W., Ramsey, Minnesota
55303; 5518 Lakeland Road, Minnetonka, Minnesota 55345 have invented and own the entire United States
right, title and interest in an invention for:

FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES

disclosed in my (our) application for United States Letter Patent filed:

- ☒ concurrently herewith
☐ on _____ and assigned Serial No. _____; and

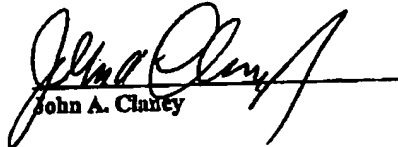
I (we) hereby authorize and request any attorney of Vidas, Arrett & Steinkraus, P.A., Suite
2000, 6109 Blue Circle Drive, Minnetonka, MN 55343-9185, to insert the filing date and application number of
said application above when known.

WHEREAS, Alliant Techsystems Inc. ("Assignee"), a corporation organized and existing
under and by virtue of the laws of the State of Delaware, and having its principal place of business at 5050
Lincoln Drive, Edina, Minnesota 55436, is desirous of acquiring the entire right, title, and interest in and to
said invention, to said application for any and all countries, to any and all Letters Patent, and to any and all
Design Letters Patent of any and all countries which may be granted thereon;

NOW, THEREFORE, Be It Known that for good and valuable consideration, the receipt of all
of which is hereby acknowledged, I(we) hereby sell, assign, and transfer unto Assignee, its successors, and
assigns, the entire right, title and interest, legal and equitable, in and to said invention, to said application for any
and all countries, to any and all Letters Patent, and to any and all Design Letters Patent of any and all countries
which may be granted thereon; and the Commissioner of Patents and Trademarks is hereby authorized and
requested to issue all Letters Patent and all Design Letters Patent which may be granted to said invention to
Assignee.

Dated: 9/3/2003

First Inventor's Signature:
First Inventor's Name:


John A. Clancy

Dated: 9-3-2003

Second Inventor's Signature:
Second Inventor's Name:


Thomas D. Bybee

Dated: 9-4-2003

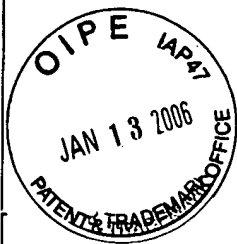
Third Inventor's Signature:
Third Inventor's Name:


William A. Friedrich

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COPY



 *** TX REPORT ***

TRANSMISSION OK

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Clancy, Bybee, Friedrich
Application No.:	10/664223
Filed:	September 17, 2003
For:	FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES
Examiner:	B. E. Gregory
Group Art Unit:	3662
Firm Docket No.:	A39.2B-10912-US01

Mail Stop Issue Fee

DATE: February 16, 2005

TIME: 3:12

FACSIMILE NO.: 1-703-746-6000

TOTAL NUMBER OF PAGES (including transmittal letter): 3

FACSIMILE TRANSMITTAL LETTER

Following please find a 1 page PTOL-85 Form for paying issue fee with duplicate copy; and 1 page Facsimile Transmittal Letter.

With respect to fees: ☐ No additional fee is believed to be required

☒ Charge \$1700.00 fee to our Deposit Account No. 22-0350

Conditional Petition

If any extension of time for the accompanying response is required or if a petition for any other matter is required, applicant requests that this be considered a petition therefore

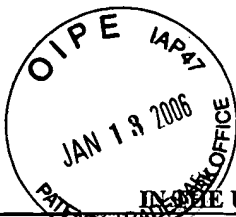
If any additional fees associated with this communication are required and have not otherwise been paid, please charge the additional fees to Deposit Account No. 22-0350 Please credit overpayment associated with this communication to the Deposit Account No. 22-0350.

Respectfully submitted
 VIDAS, ARRETT & STEINKRAUS

Date: February 16, 2005

By: 

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PATENT

FAXED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Clancy, Bybee, Friedrich
Application No.: 10/664223
Filed: September 17, 2003
For: FIXED CANARD 2-D GUIDANCE OF ARTILLERY
PROJECTILES
Examiner: B. E. Gregory
Group Art Unit: 3662
Firm Docket No.: A39.2B-10912-US01

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DATE: February 16, 2005 TIME: 3:12 PM FACSIMILE NO.: 1-703-746-6000
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FACSIMILE TRANSMITTAL LETTER

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With respect to fees: ☐ No additional fee is believed to be required
☒ Charge \$1700.00 fee to our Deposit Account No. 22-0350

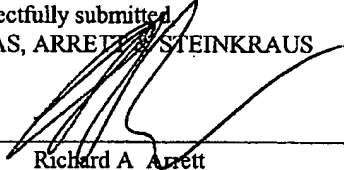
Conditional Petition

If any extension of time for the accompanying response is required or if a petition for any other matter is required, applicant requests that this be considered a petition therefore

If any additional fees associated with this communication are required and have not otherwise been paid, please charge the additional fees to Deposit Account No 22-0350. Please credit overpayment associated with this communication to the Deposit Account No 22-0350.

Respectfully submitted,
VIDAS, ARRETT & STEINKRAUS

Date: February 16, 2005


By: 
Richard A. Arrett
Registration No.: 33153

6109 Blue Circle Drive, Suite 2000
Minnetonka, MN 55343-9185
Telephone: (952) 563-3000
Facsimile: (952) 563-3001

f:\wpwork\raa\10912us01_tia_20050215.doc

Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. 1-703-746-6000, on February 16, 2005.

Signature: 
Julie Emerson



PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

490 7590 01/03/2005

VIDAS, ARRETT & STEINKRAUS, P.A.
6109 BLUE CIRCLE DRIVE
SUITE 2000
MINNETONKA, MN 55343-9185

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Julie Emerson

(Depositor's name)

Julie Emerson

(Signature)

2-16-05

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,223	09/17/2003	John A. Clancy	A39 2-10912	3349

TITLE OF INVENTION: FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	04/04/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
GREGORY, BERNARR E	3662	244-003240

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363)

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed

1. VIDAS, ARRETT &

2. STEINKRAUS, P.A.

3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

ALLIANT TECHSYSTEMS INC.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

EDINA, MINNESOTA USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed☐ Payment by credit card. Form PTO-2038 is attached☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 22-0350 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date

2/16/05

Typed or printed name

Richard A. Arrett

Registration No

33153

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